

19980705.qrp v01_n143.qrs.980705

Date: Sun, 5 Jul 1998 19:03:08 EDT
From: qrp-l@Lehigh.EDU
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: QRP-L digest 1143

QRP-L Digest 1143

Topics covered in this issue include:

- 1) [14360] RE: Ten Tec PM-3a
by cy r currier <crc3@telplus.net>
- 2) [14361] Re: books for sale
by Jack Parker <Pparker@greatbasin.net>
- 3) [14362] NorCal Logo?
by "L. Jeffrey Hetherington" <jhetheri@npiec.on.ca>
- 4) [14363] Re: Gear For Sale
by Bob Hightower <ki7mn@dancris.com>
- 5) [14364] Re: have old mics (not really qrp, but...)
by "George T. Baker" <w5yr@swbell.net>
- 6) [14365] [CW] Mercury sell or trade-NOT BY ME!!!
by Ed Tanton <n4xy@att.net>
- 7) [14366] twin lead/paddlette
by mike@krypton.nmr.Hawaii.Edu (Mike W. Burger)
- 8) [14367] FD Antenna success!
by Joseph Everhart <n2cx@voicenet.com>
- 9) [14368] Re:17 METER dx
by w4bws@juno.com (Donald E Sanders)
- 10) [14369] WTD:INFO EMTECH RIGS
by "GREGORY HEATH" <kb2qqm@email.msn.com>
- 11) [14370] Final Output Protection Question
by radioham@erols.com
- 12) [14371] Mich. QRP -results
by "Roy Lincoln" <wa4dou@mailexcite.com>
- 13) [14372] RE: Atomic keyer????
by RangerSF5@aol.com
- 14) [14373] SPRAT 95
by "Tony Fishpool" <g4wif@btinternet.com>
- 15) [14374] swap
by K4NK@aol.com
- 16) [14375] Plastic polising (Re: Brown Bros. etc.)
by w4pj@w4bkx.ampr.org
- 17) [14376] Re: July Spartan Sprint
by w4pj@w4bkx.ampr.org
- 18) [14377] 40 meter MFJ QRP fun
by "Peter C. Buehner" <kc8er@harborcom.net>
- 19) [14378] July 4th CW Sprint

- by "Wilford D. Lindsey" <70511.3041@compuserve.com>
- 20) [14379] WM-20 sold
by k5yu@juno.com (harvey n mitchell)
- 21) [14380] The Golden Age of 6M
by MNHopkins@aol.com
- 22) [14381] MI QRP Sprint
by Ken Newman <n2cq@citnet.com>
- 23) [14382] Re: July Spartan Sprint
by Bruce Muscolino <w6toy@erols.com>
- 24) [14383] AC6U
by Bruce Rattray <rattray@gpfn.sk.ca>
- 25) [14384] New rig time (kit), suggestions?
by Richard Powell <ripowell@mpna.com>
- 26) [14385] Thanks guys & Yl's
by RangerSF5@aol.com
- 27) [14386] SMIRK and SWOT?
by "W.Keith Hibbert" <wb2vuo@frontiernet.net>
- 28) [14387] Latest SPRAT
by "Frank G3YCC" <g3ycc@g3ycc.prestel.co.uk>
- 29) [14388] Multi conductor wire antenna
by "Ken Hanks" <KenNFD@ibm.net>
- 30) [14389] RE: The Golden Age of 6M
by Tracy@bytemark.com (Tracy)
- 31) [14390] Re: Multi conductor wire antenna
by "Peter C. Buehner" <kc8er@harborcom.net>
- 32) [14391] 2 meter all mode
by Wayne Alexander <walexander@wwn.net>
- 33) [14392] Re: Multi conductor wire antenna
by "dave r" <elim@ime.net>
- 34) [14393] Re: Multi conductor wire antenna
by Lee Bahr <w5drc@ix.netcom.com>
- 35) [14394] Good Vacation Antenna
by JkHampton@aol.com
- 36) [14395] Noise from 7 Segment LED Displays & Shielding
by astone@erols.com
- 37) [14396] Re: July 19th is Approaching
by "Marshall Emm" <mgemm@mtechnologies.com>
- 38) [14397] Henderson's book
by "T.J. \"SKIP\" Arey N2EI" <tjarey@home.com>
- 39) [14398] Re: Summer Homebrew SPrint
by penzo@juno.com (Michael A Penzo)
- 40) [14399] 28 Mhz Opening
by n4so@juno.com (charles k brown)
- 41) [14400] RE: Noise from 7 Segment LED Displays & Shielding
by "Dale Botkin" <dbotkin@probe.net>
- 42) [14401] Re: Multi conductor wire antenna
by "L. B. Cebik" <cebik@utkux.utcc.utk.edu>
- 43) [14402] Ramsey kit sources

by Jack Parker <Pparker@greatbasin.net>
44) [14403] Re: 28 Mhz Opening
by Monte Stark <ku7y@dri.edu>
45) [14404] postpone
by K6MW@worldinfonet.com
46) [14405] 80/40mtr dx
by jdenison@morelr.com (JOEL DENISON)

Date: Sun, 5 Jul 1998 07:29:43 -0400
From: cy r currier <crc3@telplus.net>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>, "'k5id@ipa.net'"
<k5id@ipa.net>
Subject: [14360] RE: Ten Tec PM-3a
Message-ID: <01BDA7E6.B1FB6040@bgr83.lobster.net>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: quoted-printable

i'm also looking for a pm2b in good condx. a drake 2c w 2cq is also on =
the list. had to sell when i first got disabled. now i want them back. =
cy - k1tes

From: Ken Graham
Sent: Saturday, July 04, 1998 10:06 AM
To: Low Power Amateur Radio Discussion
Subject: WTB: Ten Tec PM-3a

Wanted to buy: Ten Tec PM-3a in good condition.

Regards, Ken K5ID

Date: Sat, 04 Jul 1998 16:42:58 -0700
From: Jack Parker <Pparker@greatbasin.net>
To: qrp-1@Lehigh.EDU
Subject: [14361] Re: books for sale
Message-ID: <3.0.1.32.19980704164258.00686ccc8@mail.greatbasin.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

The Spanish language course (book/CD's) has been sold.

Thanks,

Jack, W7PW

"...the time is fast approaching when freedom, public peace, and social order itself will not be able to exist without education."

Alexis de Tocqueville--Democracy in America (1834)

Date: Sat, 4 Jul 1998 20:08:17 -0400 (EDT)
From: "L. Jeffrey Hetherington" <jhetheri@npiec.on.ca>
To: Multiple Recipients of List <qrp-l@Lehigh.EDU>
Subject: [14362] NorCal Logo?
Message-ID: <Pine.SGI.3.96.980704200628.8200A-100000@nev.npiec.on.ca>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hello All!

I know I've asked this question before, and so I apologize for the bandwidth ...

Can anybody either get me a copy or point me to a site where I can get teh NorCal black and white logo, suitable for putting on a QSL card? My QSL man has decided to retire, and I will now print my own, but I do not have a copy of that logo.

Thanx in advance.

Jeff - VA3JFF

<http://www.geocities.com/Colosseum/2572/QRP.html>

VA3JFF@rac.ca

Date: Sat, 04 Jul 1998 18:03:46 +0000
From: Bob Hightower <ki7mn@dancris.com>
To: qrp-l@Lehigh.EDU, azqrp@dancris.com
Subject: [14363] Re: Gear For Sale
Message-ID: <Version.32.19980704180153.01314910@mail.dancris.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

All the equipment I listed has been sold, except for the OHR dual bander (20/40) w/DD-1 display @ \$190.00 and an OHR 400 4-bander (80-40-30-20) w/DD-1 display @ \$300.00. Prices include shipping.

Thanks to all who replied.

Bob Hightower KI7MN <http://www.dancris.com/~ki7mn>

Date: Sat, 04 Jul 1998 20:04:58 -0500
From: "George T. Baker" <w5yr@swbell.net>
To: Ab7wy@aol.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [14364] Re: have old mics (not really qrp, but...)
Message-ID: <359ED13A.F0F26E06@swbell.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Adam, the D-104 is a high-impedance crystal microphone. I got my first one back in the 40's. They were very popular with a peaked frequency response that accentuated the higher voice frequencies giving "punchy" modulation back in the AM days. Unfortunately, the CB crowd seized upon them and made them the de facto standard mic for high-power and other forms of illegal operation. Lots of info on these mics in the older QST's and CQ's of the early days. Still have my D-104 and wouldn't take for it!

--
72/73, George
Amateur Radio W5YR, 52 years and counting!
QRP-L #1373 QRP ARCI #9583 FISTS #4930 ARS #403
AutoPOWER Systems, Fairview, TX (30 Mi. N. of Dallas)

Ab7wy@aol.com wrote:

>
> Hi gang, i was just looking through some of my old stuff and found 2
> microphones that are noticeably old and a reproduction mic. one is a Shure
> Unidyne in very good shape. the label is giving serial # as 3802 and model #
> 556S. the other is a D-104 in ok shape (a few missing screws) with 2 labels,
> one on top and one on the base. the one on the condenser gives a ser# B229785
> model D-104, and the label on the base gives a ser# of B344098 model G. it
> has a grey metallic base and the labels on both mics are riveted on....the
> replica D-104 has sticker labels. if anyone has any info on these mics
> (years, history...anything) i would appreciate it. if they are of
> considerable worth to anyone out there, i would be willing to do a trade for

> old bugs or keys. have a safe holiday. 72....Adam Taylor, AB7WY

--

72/73, George

Amateur Radio W5YR, 52 years and counting!

QRP-L #1373 QRP ARCI #9583 FISTS #4930 ARS #403

AutoPOWER Systems, Fairview, TX (30 Mi. N. of Dallas)

Date: Sat, 04 Jul 1998 22:00:30 -0400

From: Ed Tanton <n4xy@att.net>

To: QRP-L Reflector <qrp-l@Lehigh.EDU>

Subject: [14365] [CW] Mercury sell or trade-NOT BY ME!!!

Message-ID: <3.0.5.32.19980704220030.00b879b0@postoffice.worldnet.att.net>

Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"

This message appeared on the [CW] reflector today... I have absolutely NOTHING to do with it-but some of you have mentioned wanting a Mercury... do not contact me!

>Hi, its time to sell or trade one of my original N2DAN Merc's, I have two of
>them numbers 179 and 231, both have call signs on them, both are in perfect
>shape!----- In talking to Bencher last week and I guess you all know by now
>there going into production around Sept with one man building the piece from
>start to finish which is great to here (thanks to Paul N6EV for that info)
>....Any way I dont need three of them...I was promised and have been assured
>that I will indeed receive number 001 from Bencher.....I thought I would
>start here on the CW reflector before putting it out to the whole world via
>the newsgroups and monthly magazines like the Keynotes (Fists) and also
>too my collector friends....I guess most know the history behind the
>Merc's , around 300 were made I believe before Steve passed away last March,
>I believe....Alot of hard-core/serious Cw ops say the Merc is the best hands
>down....They sold for \$495 at the end I believe., and thats the price of the
>new Bencher (Merc's) ...They are very hard to find, I looked for over a
>year, then I was blessed with two of them :-) I have a short article and
>pix on my site about them...go to Keyer paddles then to Mercury...I know I
>will get a flood of mail over this, especially if I post to the
>NG/magazines, So please serious offers only. I will do the best I can in
>answering questions, and the deal will stay between myself and the buyer and
>would be up to the buyer to give out any info of the transaction.....So
>here is your chance to own the best and one of the few originals...73, Steve
>N6TT / K6KEY

>

>

>

>Steve Massey N6TT
>1510 --6th Street
>Manhattan Beach
>CA 90266 U.S.A
>Collector of Telegraph-Wireless Instruments
><http://www.telegraph-wireless.com>
>Call 877-BuyKeys -- Buy,Sell,Trade!
>
>
>
>< >
>< * * * * * THE CW REFLECTOR * * * * * >
>__Subscribe To: Majordomo@qth.net with Body: subscribe cw
>__Unsubscribe To: Majordomo@qth.net with Body: unsubscribe cw
>__To post, send to cw@qth.net please, CW issues only
>__For digest version, Subscribe to cw-digest through majordomo@qth.net
>__For archives of postings, see web page
<http://www.qth.net/cw-digest.archive>
>__To contact list owner, email to owner-cw@qth.net
>
>

Date: Sat, 4 Jul 98 16:47:02 HST
From: mike@krypton.nmr.Hawaii.Edu (Mike W. Burger)
To: qrp-1@Lehigh.EDU
Subject: [14366] twin lead/paddlette
Message-ID: <9807050247.AA18305@krypton.nmr.Hawaii.Edu>

The paddlette had a picture ad in one of the last two QST's, very neat looking. Must order one.

Though a bit rare, there is a windowed 300 ohm twin lead that I believe Wireman sells. Very great stuff, got 600 feet second hand.

Also the RS stuff has different wire sizes. The clear stuff is not only cheap but light and flexible for portable use. I have also seen two versions of the brown stuff for sale at RS, once again a difference in the wire gauge inside. The foam stuff uses a stiff outer jacket that makes it put up a bit of a fight when you try to install it or pack it very small.

Seems like the tougher the plastic, the more UV resistant it is. Beldon made some special wire versions that had a very high UV and humidity resistance rating. This was very important for things like

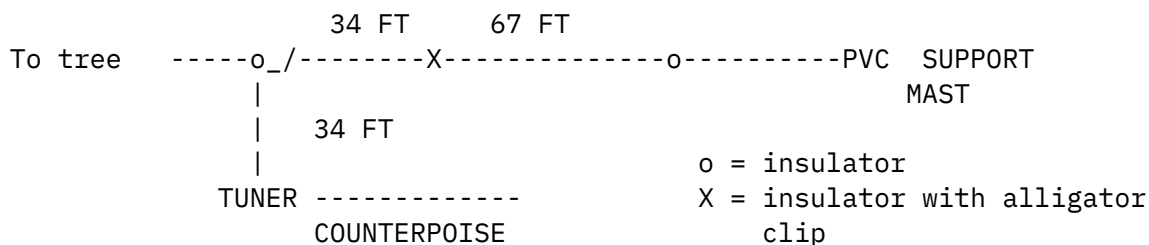
weather instrument installations here in Hawaii where UV light is ferocious. But it was like steel! Stripping and installing it was a real fight. But once it was up, it had incredible life expectancy.

Date: Sat, 4 Jul 1998 22:58:12 -0400
From: Joseph Everhart <n2cx@voicenet.com>
To: qrp-l@Lehigh.EDU
Cc: njqrp@njqrp.org
Subject: [14367] FD Antenna success!
Message-ID: <199807050258.WAA55824@nss4.cc.Lehigh.EDU>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Gang,

One of my favorite treats at FD is trying out new antennas. In the spirit of minimalism, this year I used half-wave end-fed wires. But minimalism does not have to mean poor performance if done right.

The skywire I used was a half-wave on 40 or 80 relying on alligator clips for band switching. Here is a crude ascii sketch:



For 40 meters only the first 68 feet is used (a long half-wave) while for 80, the 'X' insulator is jumpered to make a half-wave wire for that band. Using half-wave wires gives a high impedance minimizing the need for an extensive ground system.

The idea is that on 40 meters the radiation takes place in both the vertical portion of the wire *and* the horizontal portion, giving both low and high angle radiation. For 80 most FD contacts are close so the high angle characteristics of the low horizontal wire are adequate.

Unfortunately, the high impedance of the half-wave wire made it difficult to tune my ZM-2 for an SWR under 3:1. It works fine for many other antennas I've tried, but this is an extreme case.

What did work out quite well was my Rainbow Tuner. On 40 the tuner worked "as-is", while on 80 I had to parallel another 300 pf to get it to tune up. SWR uner 1.5:1 was easy to attain.

I started with 1/4 wave counterpoises for 40 and 80, but found that a 16 foot counterpoise simply laid out of the ground worked as well. No big surprise there - Moxon predicts this in "HF Antennas for All Locations".

Results were quite gratifying. I was able to work virtually anything I could hear on 40 during FD. This was a welcome change from earlier years where a low 40 meter dipole made for tough sledding. About 100 Q's were made with very little effort.

80 was adequate but less spectacular. Nighttime operation produced only about 35 to 40 Q's. For the last 5 years or so my QRP FD results were best on 80 using a G5RV, an 80 meter dipole or a full-wave horizontal loop. The difference this year may have been that, due to site geography, the horizontal wire averaged only 10 feet or so above ground for much of its length. Next year I'll get it higher!

At any rate, I have a new winner antenna. With a little forethought a simple end-fed wire proved very effective. Something new for Joe's bag o' tricks!

72/73,

Joe E., N2CX

>From South Jersey, y'all!

home: n2cx@voicenet.com
work: jeverhar@camden.lmco.com

Date: Sat, 04 Jul 1998 23:07:18 EDT
From: w4bws@juno.com (Donald E Sanders)
To: qrp-1@Lehigh.EDU
Subject: [14368] Re:17 METER dx
Message-ID: <19980704.220734.4871.0.W4BWS@juno.com>

7/5/98

0217UTC worked 3D2QB on 18.072 qrp with 449 report/479 sent.

Station on codman reef where ever that is.

Donald E. Sanders W4BWS
694 E. Eau Gallie Blvd. Satellite Beach, Fl 32937
407-779-0222 Fax 407-779-0830
E-mail to w4bws@juno.com
My favorite QRP rig glows in the dark

You don't need to buy Internet access to use free Internet e-mail.
Get completely free e-mail from Juno at <http://www.juno.com>
Or call Juno at (800) 654-JUNO [654-5866]

Date: Sat, 4 Jul 1998 23:29:49 -0400
From: "GREGORY HEATH" <kb2qqm@email.msn.com>
To: "QRP-L (SENDING ? TO QRP-L)" <qrp-l@Lehigh.EDU>
Subject: [14369] WTD:INFO EMTECH RIGS
Message-ID: <0598b1733030578UPIMSSMTPUSR03@email.msn.com>

Hi, all, happy 4th. I am planning to build a Qrp radio for a newly licensed friend. He doesnt know yet! sure he will be happy. Just wondered if anyone has built any of the Emtech rigs? I have the Norcal 40 and Sierra, but wondered if the Emtech would be better suited because of the filtering and the slight more pwr, 5 watts vs. 2w. Any comments welcome. Thanks...Greg kb2qqm

Date: Sat, 04 Jul 1998 23:55:21
From: radioham@erols.com
To: qrp-l@Lehigh.EDU
Subject: [14370] Final Output Protection Question
Message-ID: <3.0.1.16.19980704235521.32f7f310@pop.erols.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

I will be operating portable within the next few weeks and I will probably have to put up a different antenna at each location. If I can use a dipole, then I will not need a tuner, but if I use a long wire tossed off the balcony or something similar, I will use a St. Louis Tuner. I have been able to match just about anything with that little ATU, but sometimes

it takes quite a while to find a match with the key down. That is no problem when I run my FT-840 at 5 watts, as the rig is practically comatose at that output. But, if I try the same thing on my Explorer II or HW-8, I am afraid I might roast the finals - the St. Louis Tuner is not absorptive as is the Rainbow Tuner. At home I tune the antenna on the big rig and then just hook up the single bander. I believe a noise bridge will let me tune up without transmitting, but how close do they really come? Also, I remember vaguely about some discussion on protecting finals with diodes, but no details remain. I am using a low amp fuse in the battery line, but I doubt that would be fast enough to save me. Also, if the diode goes while I am on a trip, then I lose use of the rig until I get home. Any ideas on how to do this best without losing the rig, even if I save the finals? Has anything been in QRPp or the QRP ARCI mags??

Thanks in advance - unless there is a big interest in this, please reply direct.

72/73,

Steve, N4EUK
Reston, VA

Date: Sat, 04 Jul 1998 20:53:52 -0700
From: "Roy Lincoln" <wa4dou@mailexcite.com>
To: qrp-l@Lehigh.EDU
Subject: [14371] Mich. QRP -results
Message-ID: <PBJFBHJDHFCBAAA@mailexcite.com>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Worked 20 stations in 17 S/P/C on 20 meters. 61 points X 17 S/P/C= 1037 X 1.5(bonus points)=1555.5 points. Not a big score, had to qrt for an hour during the middle of the contest for lightning storm(we needed the rain).

Lots of qrn, low activity, but had fun. High point was working KH6/WB6FZH. Also worked EA/CT4/ and a G0/mm near EA.

Ran 2.5 watts output with an OHR Explorer II and a LAZY H antenna(60 feet long) up 60/26 feet.

73 to all and HAPPY Independence day!
Roy Lincoln WA4DOU

Free web-based email, Forever, From anywhere!
<http://www.mailexcite.com>

Date: Sun, 5 Jul 1998 00:08:55 EDT
From: RangerSF5@aol.com
To: qrp-1@Lehigh.EDU
Subject: [14372] RE: Atomic keyer????
Message-ID: <7d4cb036.359efc58@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

Gang,
Appx 6 months ago I saw what was called an *Atomic Keyer*
Does anyone know who makes this keyer?
Is it still being made?
I've been looking over the most popular QRP sites but was unable to find it
Thanks to all in advance
Bob
WA2HOQ

Date: Sun, 5 Jul 1998 07:53:53 +0100
From: "Tony Fishpool" <g4wif@btinternet.com>
To: "GQRP list" <qrp-1@blacksheep.org>, "QRP-1" <qrp-1@Lehigh.EDU>
Cc: "George Dobbs" <g3rjv@gqrp.demon.co.uk>
Subject: [14373] SPRAT 95
Message-ID: <E0ysij8-0000kz-00@tungsten.btiinternet.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

Dear All,
Urs Hadorn HB9ABO wrote a very interesting article on a PIC based
Electronic Keyer, unfortunately, the circuit diagram on page 4 was a little
indistinct. It can be now be downloaded from the club website:-

<http://www.btiinternet.com/~g4wif/gqrp.htm>

Click on the news tab and the graphic can be reached from the first news
item.

For folk across the pond who haven't yet got their SPRAT's, please be
patient. They are in the post.

Kind regards
Tony - G4WIF

Date: Sun, 5 Jul 1998 07:00:24 EDT
From: K4NK@aol.com
To: qrp-1@Lehigh.EDU
Subject: [14374] swap
Message-ID: <bbcbed33.359f5cc9@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

Hello Gang;

I have a new unopened Astron RS-35a power supply for swap toward a QRP rig
,I would be open to offers and willing to put some \$\$\$ in for a good one.
Email direct only to K4NK@aol.com.

thanks Les K4NK
ARCI 4152 G-QRP 2209

Date: Sun, 05 Jul 1998 07:28:42 EDT
From: w4pj@w4bkx.ampr.org
To: qrp-1@Lehigh.EDU
Subject: [14375] Plastic polising (Re: Brown Bros. etc.)
Message-ID: <12114@w4bkx.ampr.org>

Sand with increasingly fine sandpaper. (400 grit wet/dry, 600, 1200 and
finally 1600 grit wet/dry sandpaper) Then use automotive rubbing (polishing)
compound, and finally polish with "Novus" plastic polish.

All these materials should be available at your local automotive paint
supply house. (BTW Novus has a product now for removal of fine scratches
in glass i.e. automotive windshields.)

de W4PJ (Scott)
----- 73 -----

Date: Sun, 05 Jul 1998 08:21:54 EDT

From: w4pj@w4bkkx.ampr.org
To: qrp-1@Lehigh.EDU
Subject: [14376] Re: July Spartan Sprint
Message-ID: <12121@w4bkkx.ampr.org>

<excerpt>

If you choose to call CQ, use the format CQ SP.

SP=Poland CQ POLAND?

Just scratching my head over this one.
de W4PJ (Scott)
----- 73 -----

Date: Sun, 5 Jul 1998 09:13:39 -0400
From: "Peter C. Buehner" <kc8er@harborcom.net>
To: <qrp-1@Lehigh.EDU>
Subject: [14377] 40 meter MFJ QRP fun
Message-ID: <007201bda816\$ba8a13c0\$6d4c44ce@ppp.harborcom.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hello All,

Just wanted to say that yesterday (July 4th) we had some people over for a little while, and they spotted my radio room. I decided to give them a little demo. Since the antenna was already connected and tuned for the 40 meter MFJ QRP, I decided to use it first. Well, the band seemed great, and nearly everytime I called CQ I immediately got a a response. We never did use the BIG RADIO (FT-757). They were duly impressed. As a matter of fact, we were also talking about licensing and what was required. Needless to say, it was a good time. Now, I kinda wished that I hadn't promised to sell that rig to someone. But hopefully, when I get the MFJ 30 meter rig, it will be as much fun or better.

de Pete, KC8ER

////////////////////////////////////
E-Mail

Home: kc8er@harborcom.net
Work : PETER.BUEHNER@uhhs.com

HomePage:
<http://www.harborcom.net/~kc8er>
////////////////////////////////////

Date: Sun, 5 Jul 1998 09:23:53 -0400
From: "Wilford D. Lindsey" <70511.3041@compuserve.com>
To: //QRP-L Discussion Group <QRP-L@Lehigh.EDU>, "+Doc W.D. Lindsey/K0EVZ"
<70511.3041@compuserve.com>
Subject: [14378] July 4th CW Sprint
Message-ID: <199807050926_MC2-5230-9CDB@compuserve.com>
MIME-Version: 1.0
Content-Transfer-Encoding: 7bit
Content-Type: text/plain; charset=us-ascii
Content-Disposition: inline

Gang:

Many thanks to all who stopped by K0EVZ last evening during the MI QRP Club July 4th Sprint. My total time was limited to only about an hour (on-duty this weekend), but it was a blast :-).

Mea culpa--I *should* have given my MI club number to everyone. That number is #1615. Accidentally gave power output in a few cases. Nuts.

Rig here = OHR-100A. Antenna on 20 Metres was a ground-mounted GAP Titan, On 40 Metres it was an IAC Double Bazooka at 30' in the centre.

Again, thanks one and all. Hope to see everyone again during the upcoming contests.

72/73,
--Doc Lindsey/K0EVZ Rochester, MN--Home of the Mayo Clinic.
MWBC
519-16th Street SE
Rochester, MN 55904
507/289-5108 (eves)

Date: Sun, 5 Jul 1998 08:23:53 -0500
From: k5yu@juno.com (harvey n mitchell)
To: qrp-l@Lehigh.EDU
Subject: [14379] WM-20 sold
Message-ID: <19980705.082354.6782.1.k5yu@juno.com>

Gang,

Thanks to all who responded, the WM-20 transceiver has been spoken for.

73,

Harv, K5YU

You don't need to buy Internet access to use free Internet e-mail.
Get completely free e-mail from Juno at <http://www.juno.com>
Or call Juno at (800) 654-JUNO [654-5866]

Date: Sun, 5 Jul 1998 09:50:19 EDT
From: MNHopkins@aol.com
To: Boatanchors@theporch.com
Cc: qrp-L@Lehigh.EDU
Subject: [14380] The Golden Age of 6M
Message-ID: <e4598363.359f849c@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

Thanks to Tracy, N4LGH, for asking "why is 1957-58 considered the Golden Age of Six Meters" As thousands will sing today down here in Texas, "how I love to tell the story.."

The period 1957-58 was Six Meters' Golden Age for the coincidence of at least five factors. The old 5 Meter crowd was still around, after losing their 56-60mc allotment just after World War II. Civil Defense was active on Six and the homebrewers were pushed there by various factors, not the least of which was the death of AM on the lower bands. Indeed, the introduction of the Collins KWM-1 in 1957, the first ham SSB transceiver, and the same year's Regency ATC-1 mobile receive converter, the first all transistor product offered the amateur, sealed the fate of widespread home construction of amateur radio equipment.

It is also important to remember that Six was the number one local and mobile band. There were no repeaters and 2 Meters was a maze of the sort of restrictions by operating class that would be later extended, by the ARRL, to the lower bands. But in 1957 there were new Technician Class licensees on Six Meters and enough commercial equipment available to allow those who did not even know how to double in a final to get on. But if you had any technological expertise at all, the magazines pointed the way to converting most Novice transmitters to 50mc -- a Heath AT-1 with an extra variable capacitor knob is an almost sure sign of a modification; and don't ever depend on an Eimac AF-67 really covering 160 as that band was restricted by LORAN and the OTs put the '67s on Six with a CQ article.

Thus, there were a half dozen or so reasons for Six to take off the next time the sunspots did, and that is what happened. Many thought the index could not go that high, and stories like the Hammarlund SP-600 on the bench with a clip lead antenna monitoring the JAs abounded. It was indeed a Golden Age, and never to come again, but it was not the Six Meters most remember now. That came later as the commercial equipment makers geared up for at least 30 models of 6M AM Transceivers and a car load of receive converters. The party continued into the early mid 1960s, when SSB, the bride at every funeral and the corpse at every wedding, killed it off.

73 de ab5L, michael in dallas, student of Tecraft and International (ICM) ham products and mementoes of Six Meters' Golden Age: 1957-58

Michael Hopkins

Box 226841

Dallas, TX 75222 MNHopkins@AOL.com

Date: Sun, 05 Jul 1998 10:01:51 -0400
From: Ken Newman <n2cq@citnet.com>
To: QRP-L@Lehigh.EDU
Subject: [14381] MI QRP Sprint
Message-ID: <1.5.4.16.19980705140122.27e7fdb8@mail.citnet.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Thanks for the calls on the July 4th Sprint, Group!

1998 Fourth of July Sprint

Call used: N2CQ

Location: NJ

Category: Single Op All Band

Mode: CW

Power: 5W

Callsign of Operator: N2CQ

Exchanged Information: N2CQ RST NJ 1614

Hours of Operation: 03:57

band	QSOs	points	mults
160	0	0	0
80	0	0	0
40	54	180	18
20	16	38	13
15	0	0	0
10	0	0	0

TOTAL	70	218	31
-------	----	-----	----

SCORE: 6,758

x1.5

10,137

Club or Team Name: NJ QRP Club

Comments:

Good response on Independence Day! First sprint as a member and I expect to do it again! No activity on 80, even for 15 minutes of CQs. QRN at S9 +10 may be the reason.

Equipment:

20: NW80/20, TA33jr tribander up 40', 7ah Battery

40: OHR 100A, Center fed Zepp up 35' and tuner, 7ah Battery.

All Homebrew

72/73,

Ken Newman, N2CQ

Woodbury, NJ

N2CQ@Citnet.com

Date: Sun, 5 Jul 1998 10:20:49 -0400 (EDT)
From: Bruce Muscolino <w6toy@erols.com>
To: w4pj@w4bkk.ampr.org
Cc: QRP-L@Lehigh.EDU
Subject: [14382] Re: July Spartan Sprint
Message-ID: <2.2.16.19980705101214.20873bf0@pop.erols.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

>
>SP=Poland CQ POLAND?
>
Hey, who knows, you might get lucky! Of course if you're on 80 or 40, you gotta get real lucky or be in the DX window! I doubt the Polish hams will mind our using their prefix for a couple of days for a local contest!

73

Date: Sun, 5 Jul 1998 08:35:58 -0600 (CST)
From: Bruce Rattray <rattray@gpfn.sk.ca>
To: Low Power Group <qrp-l@Lehigh.EDU>
Subject: [14383] AC6U
Message-ID: <Pine.SOL.3.91.980705083138.14100A-100000@gpfn1.gpfn.sk.ca>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

I heard AC6U, Gody, for the first time yesterday at about 1625Z with a strong 559 signal....he turned it back to the station he was working so I stood by to call him and never heard him again....arrrrgh!....don't know who he was working as I could not hear the other station...but what a signal he was putting in here...really good...after 10 minutes, I gave him a couple of calls but nothing...oh well maybe next Saturday eh?...72 - Bruce(VE5RC)

Date: Sun, 05 Jul 1998 11:24:17 -0400
From: Richard Powell <ripowell@mpna.com>
To: qrp-l@Lehigh.EDU
Subject: [14384] New rig time (kit), suggestions?
Message-ID: <1.5.4.32.19980705152417.006866c0@smtp.mpna.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Oki Doki. It's that time of year again!
Time for rick to get start working on another band!

As it stands now, I'm on:
80 - Ten Tec Argonaut 505
40 - SW40+ (Elmer 101)
30 - 38S
20 - MFJ9020

time to start on something for 15M. Preferably a kit.
Preferably under \$100.
Preferably with at least the performance of the SW40+! (what a GREAT radio!)
suggestions welcome!

TIA

72

/rick

WB6JBM/8/QRP/BFA

-

Richard Powell WB6JBM TENTEN - 13044
Senior Network Engineer, Belcan IT Division
MCSE, CNA.
ripowell@mpna.com <http://www.mpna.com/ripowell>

Date: Sun, 5 Jul 1998 11:30:31 EDT
From: RangerSF5@aol.com
To: qrp-l@Lehigh.EDU
Subject: [14385] Thanks guys & Yl's
Message-ID: <79c3ad2.359f9c18@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

Just a short note to thank everyone who responded to my post regarding the
Atomic Keyer
Many thanks to all

Bob
WA2HOQ

Date: Sun, 5 Jul 1998 11:26:30 -0400
From: "W.Keith Hibbert" <wb2vuo@frontiernet.net>
To: qrp-l@Lehigh.EDU
Subject: [14386] SMIRK and SWOT?
Message-ID: <199807051526.LAA220468@node21.frontiernet.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

I am looking for any URL's to the Six Meter Internation Radio Klub (SMIRK) and the Sidewinders on Two (SWOT), groups formed to promote activity in the narrow-band sections of 6 and 2 Meters. I found a link to a page with 6 Meter projects, including a nifty 2-element quad made from PVC and wire, but can't find any links to SWOT at all.

Anyone out here on the QRP-L have any info?

This >>IS<< QRP as I only run a Ten Tec 1208 on 6 and an IC-290A on 2 (the low-power version)

72/73, Keith, WB2VUO 100% QRP From the Great Bergen Swamp in WNY
ARRL Life Member, QRP-L #582, ScQRP #40, ARQRP #68
Trustee, NQ2RP/B 10 Mtr Milliwatting Beacon: 125 mW at 28.287 MHz
"My night light runs more power than my Rig!!!"

Date: Sun, 5 Jul 1998 16:54:16 +0000
From: "Frank G3YCC" <g3ycc@g3ycc.prestel.co.uk>
To: qrp-l@Lehigh.EDU, gqrp-l@blacksheep.org
Subject: [14387] Latest SPRAT
Message-ID: <E0ysr7g-0000yF-00@hen.scotland.net>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT

Just to say thanks to all concerned for another great edition! Sorry to those unfortunates who do not belong to G QRP - you're missing out!

--73--

Frank G3YCC G QRP 042

email: g3ycc@g3ycc.prestel.co.uk
QRP web Site: <http://www.homeusers.prestel.co.uk/g3ycc/>
Packet: G3YCC@GB7HUL

Date: Sun, 5 Jul 1998 12:37:03 -0400
From: "Ken Hanks" <KenNFD@ibm.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [14388] Multi conductor wire antenna
Message-ID: <000701bda833\$3b8aea00\$527e2581@kh>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Anyone have any experience using rotator cable for a long wire antenna?

I am would take the 100' coil of 3 conductor I have and connect opposite ends. In effect, giving me a 300' wire in the space of 100'.

```
<to tuner-----<--
                                     |
-->-----<--
|
-->-----
```

This will be used during a vacation on the beach this summer. There is a tree in the backyard of the cottage we are renting that can support the wire. It will be tuned with a ZM-2.

Any thoughts?

73, Ken K1XS@ibm.net

Date: Sun, 5 Jul 1998 13:07:32 -0400
From: Tracy@bytemark.com (Tracy)
To: "QRP-L" <qrp-l@Lehigh.EDU>
Subject: [14389] RE: The Golden Age of 6M
Message-ID: <000001bda837\$65ec6220\$28251ad1@titan>
MIME-Version: 1.0
Content-Type: text/plain;

charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

We may not have all those wonderful ingredients, but there ARE a lot of people on 6 now. This morning we were listening to Michigan and Ohio on the scanners here in Central Florida.

There are allot of us down here that are homebrewing 6 stuff. If my storage facility in Christmas has evaded the flames (We'll be allowed back in the area after the residents are settled)I'll be one of them.

Thanks for the explanation!

Tracy

-----Original Message-----

From: owner-qrp-1@Lehigh.EDU [mailto:owner-qrp-1@Lehigh.EDU]On Behalf Of MNHopkins@aol.com

Sent: Sunday, July 05, 1998 9:50 AM

To: Low Power Amateur Radio Discussion

Subject: The Golden Age of 6M

Thanks to Tracy, N4LGH, for asking "why is 1957-58 considered the Golden Age of Six Meters" As thousands will sing today down here in Texas, "how I love to tell the story.."

The period 1957-58 was Six Meters' Golden Age for the coincidence of at least five factors. The old 5 Meter crowd was still around, after losing their 56-60mc allotment just after World War II. Civil Defense was active on Six and the homebrewers were pushed there by various factors, not the least of

which was the death of AM on the lower bands. Indeed, the introduction of the

Collins KWM-1 in 1957, the first ham SSB transceiver, and the same year's Regency ATC-1 mobile receive converter, the first all transistor product offered the amatuer, sealed the fate of widespread home construction of amateur radio equipment.

It is also important to remember that Six was the number one local and mobile band. There were no repeaters and 2 Meters was a maze of the sort of restrictions by operating class that would be later extended, by the ARRL, to

the lower bands. But in 1957 there were new Technician Class licensees on Six

Meters and enough commercial equipment avaiable to allow those who did not even know how to double in a final to get on. But if you had any technological expertise at all, the magazines pointed the way to converting most Novice transmitters to 50mc -- a Heath AT-1 with an extra variable

capacitor knob is an almost sure sign of a modification; and don't ever depend on an Eimac AF-67 really covering 160 as that band was restricted by LORAN and the OTs put the '67s on Six with a CQ article.

Thus, there were a half dozen or so reasons for Six to take off the next time the sunspots did, and that is what happened. Many thought the index could not go that high, and stories like the Hammarlund SP-600 on the bench with a clip lead antenna monitoring the JAs abounded. It was indeed a Golden Age, and never to come again, but it was not the Six Meters most remember now. That came later as the commercial equipment makers geared up for at least 30 models of 6M AM Transceivers and a car load of receive converters. The party continued into the early mid 1960s, when SSB, the bride at every funeral and the corpse at every wedding, killed it off.

73 de ab5L, michael in dallas, student of Tecraft and International (ICM) ham products and mementoes of Six Meters' Golden Age: 1957-58
Michael Hopkins
Box 226841
Dallas, TX 75222 MNHopkins@AOL.com

Date: Sun, 5 Jul 1998 12:58:36 -0400
From: "Peter C. Buehner" <kc8er@harborcom.net>
To: <qrp-1@Lehigh.EDU>
Cc: <KenNFD@ibm.net>
Subject: [14390] Re: Multi conductor wire antenna
Message-ID: <00ad01bda836\$2760d640\$6d4c44ce@ppp.harborcom.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hello Ken,

Just a thought. But, I would guess that because of the close proximity to the adjacent wires in the cable, that you would have a "cancellation effect" due to the opposite polarity at given times during the RF cycle. I'm not sure about it though, but I will watch for responses...

de Pete, KC8ER

-----Original Message-----

From: Ken Hanks <KenNFD@ibm.net>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Date: Sunday, July 05, 1998 12:39 PM
Subject: Multi conductor wire antenna

Anyone have any experience using rotator cable for a long wire antenna?

I am would take the 100' coil of 3 conductor I have and connect opposite ends. In effect, giving me a 300' wire in the space of 100'.

```
<to tuner-----<--
                                |
    -->-----<--
    |
    -->-----
```

This will be used during a vacation on the beach this summer. There is a tree in the backyard of the cottage we are renting that can support the wire. It will be tuned with a ZM-2.

Any thoughts?

73, Ken K1XS@ibm.net

Date: Sun, 05 Jul 1998 11:40:56 -0500
From: Wayne Alexander <walexander@wwn.net>
To: hams@mail.orion.org, qrp-l@Lehigh.EDU, forsale-swap@qth.net
Subject: [14391] 2 meter all mode
Message-ID: <3.0.3.32.19980705114056.0069cd8c@pop.wwn.net>
Mime-Version: 1.0

Content-Type: text/enriched; charset="us-ascii"

It is sold. Thanks

<paraindent><param>out</param>73

</paraindent>KB0PTE

Wayne

QRP-L #1058

FISTS # 4907

Date: Sun, 5 Jul 1998 13:19:58 -0400
From: "dave r" <elim@ime.net>
To: <KenNFD@ibm.net>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [14392] Re: Multi conductor wire antenna
Message-ID: <002801bda839\$23ea45c0\$10c65ad1@default>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

-----Original Message-----
From: Ken Hanks <KenNFD@ibm.net>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Date: Sunday, July 05, 1998 12:39 PM
Subject: Multi conductor wire antenna

>Anyone have any experience using rotator cable for a long wire antenna?
>
>I am would take the 100' coil of 3 conductor I have and connect opposite
>ends. In effect, giving me a 300' wire in the space of 100'.
>
> <to tuner-----<--
> |
> -->-----<--
> |

> -->-----
>
>
>
>This will be used during a vacation on the beach this summer. There is a
>tree in the backyard of the cottage we are renting that can support the
>wire. It will be tuned with a ZM-2.
>
>Any thoughts?
>
>73, Ken K1XS@ibm.net
>
Hi Ken
The effect is aproximatley the same as if you run any 100' single wire out
there.. there would be not particualar advantage to using it the way you
suggest.. you'd get the same performance by shorting all the conductors
together and feeding it as an endfed wire..
73 good luck , dave kc1di

Date: Sun, 05 Jul 1998 12:34:36 -0500
From: Lee Bahr <w5drc@ix.netcom.com>
To: kc8er@harborcom.net
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [14393] Re: Multi conductor wire antenna
Message-ID: <359FB92C.F36B5CDC@ix.netcom.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

This is called LINEAR LOADING and is used by some beam manufacturers. There is
no free lunch. Short is the payoff for loss. What is important to you?
Importance varies with the beholder and circumstance.
Lee/w0vt
Peter C. Buehner wrote:

> Hello Ken,
>
> Just a thought. But, I would guess that because of the close proximity to
> the adjecent wires in the cable, that you would have a "cancellation effect"
> due to the opposite polarity at given times during the RF cycle. I'm not
> sure about it though, but I will watch for responses...
>
> de Pete, KC8ER
>

resonant for the 40 and 20 meter bands at the Fists freqs .058. This antenna worked so well portable, that I put it in my attic and it is now my main antenna. Only about 15 feet up, I have used it for QRP with both my Scout and believe it or not, it has also worked well with my Tuna Tin 2 running 250mW. It also worked FB for QRP-L Fox Hunting. The problem with it is that it is a dipole and it requires appropriate support and the coax makes it bulky.

The other, and now my favorite portable antenna, uses a ZM-2. It is very simple and has many variations. It is made from 20guage wire left over from the instalation of a burgler alarm system. One piece 67 feet long and two pieces half that lngth. The long wire is end fed. Just get it up in the air some how. Vertical, inverted vee, slopper , or just through it over the roof. The two short wires act as counteropise. Lay them out on the ground. I just returned from a trip to Australia and this was the antenna that I took with me.

Before the trip, I tried the rig out one night to see what I could expect. The counteropise were laid out and I tied a weight on one end of the long wire and threw it over the house. Both ends were laying on the ground and it was a sort of lazy end fed invereted Vee arangement. That evening, from South Louisiana, I worked stations in TX, NC, KY,VT and WY. I never even looked to see where the wire had landed until the next morning, just hooked it all up, tuned the ZM-2 and started operating.

With a little more favorable conditions for erecting this antenna, performance may be even better, but the flexability makes it a great portable/vacation antenna.

A friend told me once that the amount of fun you can have with boats is inversly proportional to the size. I have come to agree with him about boats and I deffinately think the same is true in Ham Radio. Little Rigs = Big FUN

QRP and CW 72 to all, es thanks for all the QRP-L fun.

Tom AC5JH
72 es

Date: Sun, 05 Jul 1998 15:09:30 -0700
From: astone@erols.com
To: qrp-l@Lehigh.EDU
Subject: [14395] Noise from 7 Segment LED Displays & Shielding
Message-ID: <359FF99A.F3C@erols.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi -- I've seen postings indicating that these displays tend to generate some audible hash in some receivers especially when used as output devices for a frequency counter. In experimenting, I haven't found this to occur in my rig. Is the source of the noise acutally the display itself or the counting/driving circuitry (or both)? Can shielding help here? Speaking of shielding, I'd like advice on whether it's ok to use regular aluminum foil as a shield at HF frequencies. Thanks for your help.

72,

Ron (KA3J)
Bethesda, MD

Date: Sun, 5 Jul 1998 13:18:38 -0600
From: "Marshall Emm" <mgemm@mtechnologies.com>
To: qrp-l@Lehigh.EDU
Subject: [14396] Re: July 19th is Approaching
Message-ID: <199807051917.NAA18981@edison.chisp.net>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT

>>certificates for the winners in each class for the Great Colorado
>>Snowshoe Run also. No one ever got one though.
>>Do you send them out to the winners

Teams competition was taken care of long since, but there has been an unfortunate delay in the others. Here's the news, though-- I am assured that the certificates will go out early this week.

73
Marshall Emm
N1FN/VK5FN
n1fn@MorseX.com
Morse Express
"Everything for the Morse Enthusiast"
<http://www.MorseX.com>
(303)752-3382

--

Date: Sun, 05 Jul 1998 15:15:26 -0400
From: "T.J. \"SKIP\" Arey N2EI" <tjarey@home.com>
To: "qrp-1@Lehigh.EDU" <qrp-1@Lehigh.EDU>
Subject: [14397] Henderson's book
Message-ID: <359FD0CE.6280F7DB@home.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

He uses the 80C31 Microcontroller. The programmed version for his setup is available from Far Radio Circuits (Baords too). I got sent the book for a review and some of his ideas look good.

Tracy wrote:

>
> What does he base his "intelligence" on" Does he use a computer, PIC, or
> microcontroller????
>
> I'm building a little radio that will use a '386sx as the control unit. I'm
> using a DSP sound card for audio processing, a PC-VFO for the signal source
> and a couple of 8255 PPI's to flip switches, relays, and drive the digital
> display. From the outside it will look like a "real" radio, but it will all
> be software driven.
>
> Tracy
>
> -----Original Message-----
> From: T.J. "SKIP" Arey N2EI [mailto:tjarey@home.com]
> Sent: Saturday, July 04, 1998 9:19 PM
> To: tracy@bytemark.com
> Subject: Re: VFO
>
> Let me know if you do. I've been looking over Randy Henderson's Book.
> Build Your Own Intelegant Amatuer Radio Transceiver and I'm wondering if
> this circuit might take the place of the VFO section in his model.
>
> Tracy wrote:
> >
> > Looks a bit complicated, and a few of the parts may be expensive. Before I
> > got a PC-VFO, this would have been the ideal osc. for me. I'm still
> > considering building one, but it might be a bit!
> >
> > Tracy, N4LGH #1453

> >
> > -----Original Message-----
> > From: owner-qrp-1@Lehigh.EDU [mailto:owner-qrp-1@Lehigh.EDU]On Behalf Of
> > T.J. "SKIP" Arey N2EI
> > Sent: Friday, July 03, 1998 9:10 PM
> > To: Low Power Amateur Radio Discussion
> > Subject: VFO
> >
> > The July.August issue of QEX has an article of a Continuous Coverage HF
> > VFO. Anybody planning on playing with this circuit?
> >
> > --
> > ++++++
> >
> > T.J. "SKIP" AREY N2EI e-mail tjarey@home.com
> >
> > QRP-L #1618 QRPARCI #8634 ARRL Life member
> >
> > Website http://members.home.net/tjarey
> >
> > Snail Mail: PO Box 236, Beverly, NJ 08010
> >
> > Specialization is for insects! LAZARUS LONG

Date: Sun, 05 Jul 1998 15:20:17 EDT
From: penzo@juno.com (Michael A Penzo)
To: camqrp@cyberg8t.com
Cc: qrp-1@Lehigh.EDU
Subject: [14398] Re: Summer Homebrew SPrint
Message-ID: <19980705.135826.4831.0.penzo@juno.com>

Before I reinvent the wheel, has anyone written a contest template for
this upcoming Summer Homebrew Sprint that will work with NA?
73,
Mike, KT4FJ
Stafford, VA.

On Thu, 2 Jul 1998 13:47:14 -0700 (PDT) camqrp@cyberg8t.com (Cam
Hartford) writes:
>Fellow Contesters,
>
>I realize your heads are still ringing from the endless pounding
>of CW on Field Day, but trust me, you can recover. Think of it
>like riding a bicycle, falling off, and swearing you'll never do
>it again. The best way to recover from the fall is to get right back

>on and ride some more.
>
>With that relatively sloppy analogy aside, we can get to the meat
>here.
>The QRP ARCI Summer Homebrew Sprint is coming our way, Sunday,
>July 12. By that time you will have forgotten that you swore off keyer
>
>paddles forever, and you will actually be able to use some of that
>new-found code speed you garnered on FD weekend.
>
>Meanwhile, send in your logs for the Milliwatt FD Trophy competition.
>Operators are standing by to take your entries.
>
>CUL,
>
>Cam, N6GA
>
>
>-----
>
>
>QRP ARCI SUMMER HOMEBREW SPRINT Sponsored by QRP ARC
>International. 2000 - 2400 Z, July 12, 1998. CW only.
>Entries may be Single Band, All Band, High Band
>(20, 15, 10 or 6) or Low Band (160, 80 and 40). Work
>stations once per band. Exchange signal report,
>state/province/ country, and QRP ARCI number if member,
>or power output if non-member. 1.830 3.560 3.710 7.040 7.110
>14.060 21.060 21.110 28.060 28.110 50.128. QSO points: 5
>points / QSO with ARCI member, 2 points for non-members
>same continent, 4 points for non-members different continent.
>Bonus points awarded for using homebrew equipment, apply for
>each band on which homebrew equipment was used: +2000 points for HB
>transmitter; +3000 points for HB receiver; +5000 for HB transceiver.
>A piece of equipment is considered to be homebrew if you built
>it. Final score is total of QSO points (all bands) multiplied
>by total of states/provinces/countries (all bands) times
>power multiplier (> 5 W output, X1; <5 W output, X 7;
><1 W output, X 10; < 250 MW output, X 15), plus bonus points.
>Include description of equipment and antennas used.
>Mail entries by August 12, 1998 to QRP ARCI Contest Mgr,
>Cam Hartford, N6GA, 1959 Bridgeport Ave., Claremont CA 91711.
>Or send by e-mail to CamQRP@cyberg8t.com.
>
>
>
>
>
>

You don't need to buy Internet access to use free Internet e-mail.
Get completely free e-mail from Juno at <http://www.juno.com>
Or call Juno at (800) 654-JUNO [654-5866]

Date: Sun, 05 Jul 1998 15:58:55 EDT
From: n4so@juno.com (charles k brown)
To: qrp-l@Lehigh.EDU
Subject: [14399] 28 Mhz Opening
Message-ID: <19980705.133519.4863.17.n4so@juno.com>

Weak opening Stateside on 28 Mhz -- Hearing beacons n2vmf/b, wg8t/b, and
ab8z/b up in the beacon portion. WG8T is at 1 watt and coming thru at
1330z.

Reminder for you DX Chasers--
Tonight or this evening is the Northern Calif. DX Bulletin on 14.002
broadcast at
0200Z (Monday Zulu but Sunday night). Also repeated by W5WQN at 0245z on
3.516.
This is a listing of currently active DX stations on the upper DX bands.
Ninety-nine per cent of the stations listed are CW, with a few SSB
stations included.

KEN BROWN N4SO
QRP-L #622
Location nr Mobile, AL EM50tk
n4so@juno.com

You don't need to buy Internet access to use free Internet e-mail.
Get completely free e-mail from Juno at <http://www.juno.com>
Or call Juno at (800) 654-JUNO [654-5866]

Date: Sun, 5 Jul 1998 15:28:35 -0500
From: "Dale Botkin" <dbotkin@probe.net>
To: <astone@erols.com>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [14400] RE: Noise from 7 Segment LED Displays & Shielding
Message-ID: <000101bda853\$7c251980\$0601a8c0@livingroom.botkin.org>

MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

> Hi -- I've seen postings indicating that these displays tend to generate
> some audible hash in some receivers especially when used as output
> devices for a frequency counter. In experimenting, I haven't found this
> to occur in my rig. Is the source of the noise acutally the display
> itself or the counting/driving circuitry (or both)? Can shielding help
> here? Speaking of shielding, I'd like advice on whether it's ok to
> use regular aluminum foil as a shield at HF frequencies. Thanks for your
> help.

A 7-segment display, by itself, will not generate any appreciable amount of RF noise -- no more than a few LED's, which is all they are anyway. You are correct, though, that the counting, driving, and multiplexing circuitry can create quite a bit of noise. For a typical display - say 4 or 5 digits or even more - we generally don't keep power to all the displays all the time. Typically we'll multiplex the displays, scanning through the array at some rate generally in the kHz range and light 'em up for a brief period. This lowers the parts count(often) and vastly reduces power consumption and heat. Assuming a fast enough scan and long enough period of illumination, our eyeballs "see" the display as being on solid, just like a scanned image on a CRT. Even though the frequencies used are typically pretty low, square waves tend to spew forth quite a bit of energy at harmonics WAY up. Shielding will certainly help, and aluminum foil works great.

72,

Dale

Date: Sun, 5 Jul 1998 16:28:24 -0400 (EDT)
From: "L. B. Cebik" <cebik@utkux.utcc.utk.edu>
To: Ken Hanks <KenNFD@ibm.net>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [14401] Re: Multi conductor wire antenna
Message-ID: <Pine.GS0.3.96.980705162239.15330A-1000000@larry.cas.utk.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Ken,

The end-around closely spaced wire is unlikely to give you what you want.

Being closely spaced, the coupling between wires would produce a current level that is only the average of the 3 and that is unpredictable from band to band. Since some of the current would be of a different phase and magnitude, you will have cancellation as much as addition. In short, you are unlikely to do any better than a single 100' wire end fed (or fed anywhere else).

A 100' wire center fed is about G5RV length and would work all bands with the tuner you note. #14 or #12 copper wire is also likely to be stronger and more durable.

Hope this is useful.

-73-

LB, W4RNL

Date: Sun, 05 Jul 1998 13:36:42 -0700
From: Jack Parker <Pparker@greatbasin.net>
To: qrp-1@Lehigh.EDU
Subject: [14402] Ramsey kit sources
Message-ID: <3.0.1.32.19980705133642.00689624@mail.greatbasin.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Anyone know who might handle Ramsey kits, besides HSC in California and Durham in Canada?

Thanks,

Jack, W7PW

Date: Sun, 5 Jul 1998 15:10:31 -0700 (PDT)
From: Monte Stark <ku7y@dri.edu>
To: charles k brown <n4so@juno.com>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [14403] Re: 28 Mhz Opening
Message-ID: <Pine.SOL.3.96.980705150700.11594A-100000@vortex>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Sun, 5 Jul 1998, charles k brown wrote:

> Tonight or this evening is the Northern Calif. DX Bulletin on 14.002
> broadcast at 0200Z (Monday Zulu but Sunday night). Also repeated
> by W5WQN at 0245z on 3.516.

Very true Ken. And it's some GREAT code practice.

I'm not sure now, but it used to be all sent by hand from the
station in CA. (Can't remember the call or who it was sending.)

But he was GOOD!

cul,

73, Ron, SOWP 5545M,

.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....
....ku7y@sage.dri.edu.....Washoe Lake, Nevada....
....QRP-L #17...ARS #49...NorCal #330.....NRA LIFE.....

Date: Sun, 05 Jul 1998 14:58:53 -0700
From: K6MW@worldinfonet.com
To: qrp-l@Lehigh.EDU
Subject: [14404] postpone
Message-ID: <359FF71D.62D0@worldinfonet.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

postpone

Date: Sun, 5 Jul 1998 17:18:05 -0500 (CDT)
From: jdenison@morelr.com (JOEL DENISON)
To: qrp-l@Lehigh.EDU
Subject: [14405] 80/40mtr dx
Message-ID: <199807052218.RAA23640@ns1.morelr.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

High gang:

Ok it seems obvious that I will need an extra ticket to get dx on cw on 80/40mtrs...

Now, does anyone know where the dx hangs out on ssb??

I have no major or minor objection to doing my mile per watt on ssb... and no, I don't care to drop my power level and do it by working someone a short distance away on very low power... I want to hop the pond or the gulf of mexico or the pacific ocean in the process... :-) maybe even cross the pole... could say hi to santa on the way... :-)
situtational operational tactics being employed here... :-)
Joel wa5cvm in maine, dreaming of dixie

God Bless

Joel

WA5CVM

Joel Denison

PO BOX 542

Strong, Maine 04983

jdenison@morelr.com

Gentlemen don't Cry, They QSY :-)

Gentle Lady (RC Sail Plane)(049 engine - start)

3 element Yagi on 40mtr

QRP ARCI 4066 NEW ENGLAND QRP 476 QRP-L 765

AK/QRP 109

End of QRP-L Digest 1143
